

Title (en)
FLEXIBLE CONTINUOUS CATHODE CONTACT CIRCUIT FOR ELECTROLYTIC PLATING OF C4, TAB MICROBUMPS, AND ULTRA LARGE SCALE INTERCONNECTS

Title (de)
FLEXIBLE KONTINUIERLICHE KATHODENSCHALTUNG FÜR DIE ELEKTROLYTISCHE BESCHICHTUNG VON C4, TAB MICROBUMP UND SCHALTUNGEN IM ULTRAGROSSMASSSTAB

Title (fr)
CIRCUIT SOUPLE CONTINU DE CATHODE DE CONTACT POUR PLACAGE ELECTROLYTIQUE DE MICROPLOTS C4 ET TAB ET D'INTERCONNEXIONS A TRES HAUTE ECHELLE

Publication
EP 0859877 B1 20040526 (EN)

Application
EP 96931651 A 19960919

Priority
• US 9615032 W 19960919
• US 53448995 A 19950927

Abstract (en)
[origin: US5871626A] A cathode contact device is provided for providing particle deposition from an anode source onto a target surface of a working piece. The working piece has a first electrically conductive continuous contact surrounding the target surface. The cathode contact device includes a second electrically conductive continuous contact adapted for frictionally contacting the first contact along a continuous path located on the first contact. The second contact further has an inner periphery defining an aperture for passing therethrough the particles onto the target surface. Additionally, the cathode contact device includes a circuit for electrically coupling the second contact to an electrical current supply.

IPC 1-7
C25D 5/02; **C25D 17/06**

IPC 8 full level
C25D 5/02 (2006.01); **C25D 7/12** (2006.01); **C25D 17/06** (2006.01); **H01L 21/60** (2006.01)

CPC (source: EP US)
C25D 5/022 (2013.01 - EP US); **C25D 7/12** (2013.01 - EP US); **C25D 17/005** (2013.01 - EP US); **C25D 17/001** (2013.01 - EP US); **H01L 2924/0002** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
US 5871626 A 19990216; AU 7076496 A 19970417; DE 69632591 D1 20040701; DE 69632591 T2 20050609; EP 0859877 A1 19980826; EP 0859877 A4 19991013; EP 0859877 B1 20040526; JP 2000500825 A 20000125; JP 4112615 B2 20080702; US 5807469 A 19980915; WO 9712079 A1 19970403

DOCDB simple family (application)
US 95335497 A 19971017; AU 7076496 A 19960919; DE 69632591 T 19960919; EP 96931651 A 19960919; JP 51350197 A 19960919; US 53448995 A 19950927; US 9615032 W 19960919